

The last four determinations of brightness are from photographs. There is some uncertainty in determining this element on the prints. Schröter, in plate ix. of his *Selenographische Fragmente*, gives a large dark spot in the place of "Linné;" and the Rev. T. W. Webb informs me that "Linné" is not to be found on Russell's globe or maps, 1797, from which it may be inferred that the crater has previously been obscured.

The following measures were made during the last lunation:—

Date. 1866.	Dionysius.	Linné.	Mag.	Miles.	Brightness.
Dec. 15	14.70	11.61	0.79	10.9	4
18	14.13	7.07	0.50	6.9	5.5
19	13.95	7.32	0.52	7.2	5
21	13.32	6.75	0.51	7.0	4

The numbers in column 4 headed "Mag." are obtained by dividing the measures of "Linné" by the measures of the standard spot "Dionysius." The normal magnitude of "Linné" is 0.40 ("Dionysius" being unity) as determined by two independent methods. The numbers in column 5 headed "Miles" are not absolute, but only relative as compared with "Dionysius," by means of the numbers in column 4. "Dionysius" according to Lohrmann, is 13.8 English miles, and "Linné" according to Schmidt, 5.6 English miles in diameter. During the lunation no trace of the crater has been seen.

Minor Planet (91).

Elements calculated by Dr. Tietjen, *Ast. Nach.* No. 1621, from Leipzig observation of 10 Nov. and Berlin observations of Nov. 17, 27, and Dec. 8:—

1866, Dec. 8.0, Berlin M.T.

$$\begin{aligned}
 M &= 329 \quad 2 \quad 6.5 \\
 \pi &= 71 \quad 38 \quad 51.2 \\
 \Omega &= 11 \quad 1 \quad 48.7 \\
 i &= 2 \quad 7 \quad 58.0 \\
 \phi &= 6 \quad 36 \quad 58.0 \\
 \mu &= 848'' \cdot 428 \\
 \text{Log } a &= 0.414265
 \end{aligned}
 \left. \vphantom{\begin{aligned} M \\ \pi \\ \Omega \\ i \\ \phi \\ \mu \end{aligned}} \right\} \text{Mean Equinox, 1866.0.}$$

The elements represent the longitudes accurately; for the latitudes they give

$$C - O \quad + 0''.9 \quad - 0''.7 \quad - 1''.1 \quad + 0''.8.$$

ERRATA

in the *Monthly Notice* for December.

In the observation at foot of page 33, and the second and third observations on page 34, the order of the reference stars should in each be *reversed*.

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